

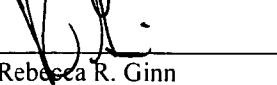


DPW

**CERTIFICATE OF MAILING**  
**37 § C.F.R. 1.8**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria VA, 22313-1450, on the date below.

December 29, 2004  
Date

  
Rebecca R. Ginn

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

John Harper

§ Group Art Unit: ~~2122~~ 2628

Serial No.: 10/826,744

§ Examiner: ~~unk~~ Maurice McDowell

Filed: April 16, 2004

§ phone: ~~unk~~ 571-270-3707

For: **System for Emulating Graphics  
Operations**

§ Atty. Dkt. No.: P3356US1 (119-0036US)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA, 22313-1450.

Sir:

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In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. In accordance with this Office's waiver of the provision of 37 CFR 1.98 (a)(2)(i) for submitting copies of U.S. patents for patent applications filed after June 30, 2003 (see 1276 O.G. 55), no copies of the US patent references are included. Copies will however be submitted upon request.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b), or that such information constitutes prior art.

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed

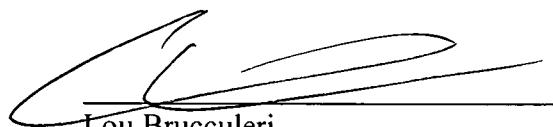


in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement. However, the Commissioner is authorized to deduct any necessary fees from Deposit Account No. 501922, referencing matter no. 119-0036US.

Applicant respectfully requests that the listed documents be considered and made of record in the present case, and that the Examiner initial the appropriate spaces on the Form 1449 to evidence the same

Respectfully submitted,

12/29/04  
Date



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Form PTO-1449 (modified)

Atty. Docket No.:

119-0036US

Serial No.

10/826,744

## List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant

John Harper, et al.

Title: System for Emulating Graphics Operations

Filing Date:

April 16, 2004

Group: 2628

2123

U.S. Patent Documents

See Page 1

Foreign Patent Documents

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Other Art

See Page 3

## U.S. Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date       | Name               | Class | Sub Class | Filing Date of App. |
|-------------|-----------|-----------------|------------|--------------------|-------|-----------|---------------------|
| /M.M./      | A1        | 6,580,430       | 06/17/2003 | Hollis, et al.     | 345/  | 473       |                     |
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| /M.M./      | A3        | 6,211,890       | 04/03/2001 | Ohba               | 345   | 506       |                     |
| /M.M./      | A4        | 6,707,462       | 03/16/2004 | Peercy, et al.     | 345/  | 619       |                     |
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| /M.M./      | A11       | 6,166,748       | 12/26/2000 | Van Hook, et al.   | 345   | 522       |                     |
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| /M.M./      | A17       | 6,452,600       | 09/17/2002 | Parikh, et al.     | 345   | 522       |                     |
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| /M.M./      | A21       | 6,369,823       | 04/09/2002 | Ohba               | 345   | 506       |                     |
| /M.M./      | A22       | 6,456,290       | 09/24/2002 | Parikh, et al      | 345   | 522       |                     |
| /M.M./      | A23       | 6,664,962       | 12/16/2003 | Komsthoeft, et al  | 345   | 426       |                     |

EXAMINER: /Maurice McDowell, Jr./

DATE CONSIDERED:

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EXAMINER: INITIAL IF REFERENCE CONSIDERED WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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|---|---|--|---------------------------------|
| Form PTO-1449 (modified)  |   | Atty. Docket No.:<br><b>119-0036US</b>                 | Serial No.<br><b>10/826,744</b> |
| List of Patents and Publications for Applicant's<br>INFORMATION DISCLOSURE STATEMENT<br>(Use several sheets if necessary) |   | Applicant<br><b>John Harper, et al.</b>                |                                 |
|   |   | Title: <b>System for Emulating Graphics Operations</b> |                                 |
|   |   | Filing Date:<br><b>April 16, 2004</b>                  | Group:<br><b>2123 2628</b>      |
| U.S. Patent Documents<br><i>See Page 1</i>  | Foreign Patent Documents<br><i>See Page 2</i> | Other Art<br><i>See Page 3</i>                         |                                 |

### U.S. Patent Documents

| Exam. Init. | Ref. Des.  | Document Number | Date       | Name            | Class | Sub Class | Filing Date of App. |
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| /M.M./      | <b>A24</b> | 6,369,830       | 04/09/2002 | Brunner, et al. | 345   | 629       |                     |
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| /M.M./      | <b>A26</b> | 6,411,301       | 06/25/2002 | Parikh, et al.  | 345   | 522       |                     |
| /M.M./      | <b>A27</b> | 5,793,376       | 08/11/1998 | Tanaka, et al.  | 345   | 582       |                     |
| /M.M./      | <b>A28</b> | 6,636,214       | 10/21/2003 | Leather, et al. | 345   | 422       |                     |
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| /M.M./      | <b>A30</b> | 2002/0174181A1  | 11/21/2002 | Wei             | 709   | 204       |                     |
| /M.M./      | <b>A31</b> | 6,618,048       | 09/09/2003 | Leather         | 345   | 422       |                     |
| /M.M./      | <b>A32</b> | 6,609,977       | 08/26/2003 | Shimizu, et al. | 463   | 36        |                     |
| /M.M./      | <b>A33</b> | 6,424,348       | 07/23/2002 | Parikh          | 345   | 522       |                     |
| /M.M./      | <b>A34</b> | 6,075,543       | 06/13/2000 | Akeley          | 345   | 539       |                     |
| /M.M./      | <b>A35</b> | 6,674,438       | 01/06/2004 | Yamamoto et al  | 345   | 501       |                     |
| /M.M./      | <b>A36</b> |                 |            |                 |       |           |                     |
| /M.M./      | <b>A37</b> |                 |            |                 |       |           |                     |

### Foreign Patent Documents

| Exam. Init. | Ref. Des. | Document Number  | Date       | Country | Class | Sub Class | Translation Yes/No  |
|-------------|-----------|------------------|------------|---------|-------|-----------|---------------------|
| /M.M./      | <b>B1</b> | WO 98/45815      | 10/15/1998 | WIPO    | G06T  | 15/70     | Yes                 |
| /M.M./      | <b>B2</b> | WO 2004-027707A2 | 04/01/2004 | WIPO    | G06T  | 1/00      | Yes (Abstract Only) |
| /M.M./      | <b>B3</b> | EP 0 972 273 B1  | 24.03.2004 | EPO     | G06T  | 15/70     | Yes                 |
| /M.M./      | <b>B4</b> |                  |            |         |       |           |                     |

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| Exam. Init. | Ref. Des. | Document Number | Date | Country | Class | Sub Class | Translation Yes/No |
|-------------|-----------|-----------------|------|---------|-------|-----------|--------------------|
| /M.M.       | <b>B5</b> |                 |      |         |       |           |                    |

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation  |
|-------------|-----------|---|
| /M.M./      | <b>C1</b> | nVIDIA, "Cg – Teaching Cg" Power Point Presentation, Author and date unknown.   |
| /M.M./      | <b>C2</b> | Shantzis, "A Model for Efficient and Flexible Image Computing" Computer Graphics Proceedings, Annual Conference Series, 1994, pp. 147 – 154.  |
| /M.M./      | <b>C3</b> | Akeley, et al., "Real-Time Graphics Architecture"<br><a href="http://www.graphics.stanford.edu/courses/cs448a-01-fall">http://www.graphics.stanford.edu/courses/cs448a-01-fall</a> , The OpenGL® Graphics System – CS448 Lecture 15, Fall 2001, pp. 1 – 20. |
| /M.M./      | <b>C4</b> | Gelder, et al., "Direct Volume Rendering with Shading via Three-Dimensional Textures" Computer Science Dept., Univ. of California, Santa Cruz, CA 95064.  |
| /M.M./      | <b>C5</b> | Elliott, "Programming Graphics Processors Functionally,"  |
| /M.M./      | <b>C6</b> | Segal, et al., "The OpenGL® Graphics System: A Specification (Version 1.5)" Copyright © 1992-2003 Silicon Graphics, Inc., October 30, 2003  |
| /M.M./      | <b>C7</b> |   |

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